

**LOW POLYMERIZATION OF ALPHA-OLEFIN**

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**Abstract of JP7017878**

**PURPOSE:**To provide low polymerization method capable of selectively obtaining a product mainly consisting of trimer, especially 1-hexene in a high yield and suppressing the production of polymer having high molecular weight in a low polymerization of alpha-olefin, especially ethylene.

**CONSTITUTION:**This low polymerization of alpha-olefin is carried out with the use of chromium catalyst consisting of chromium salt, amine and alkylaluminum compound. The low polymerization of alpha-olefin is carried out by using a hydrocarbon as a solvent and further an aromatic hydrocarbon compound having less than 2 of aliphatic hydrocarbon substitution group is used in the range of <=40% of a feed solution of this low polymerization.

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